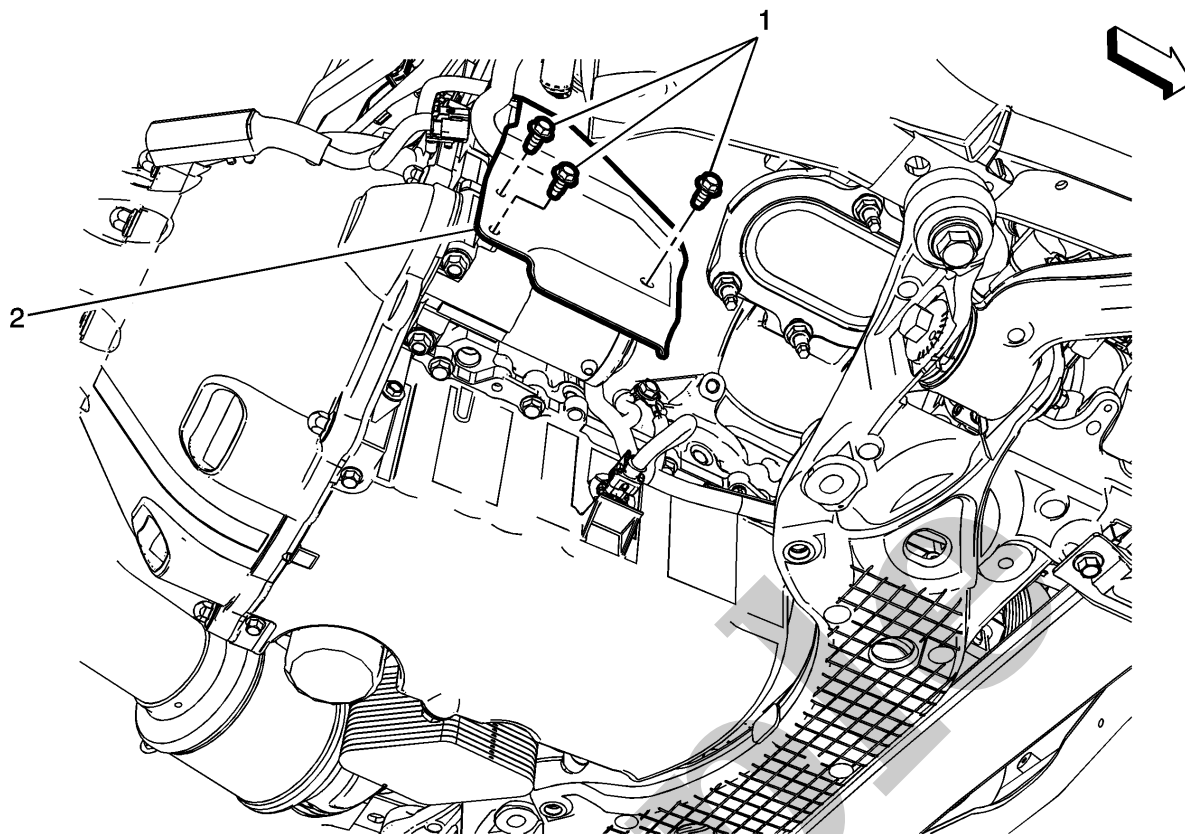


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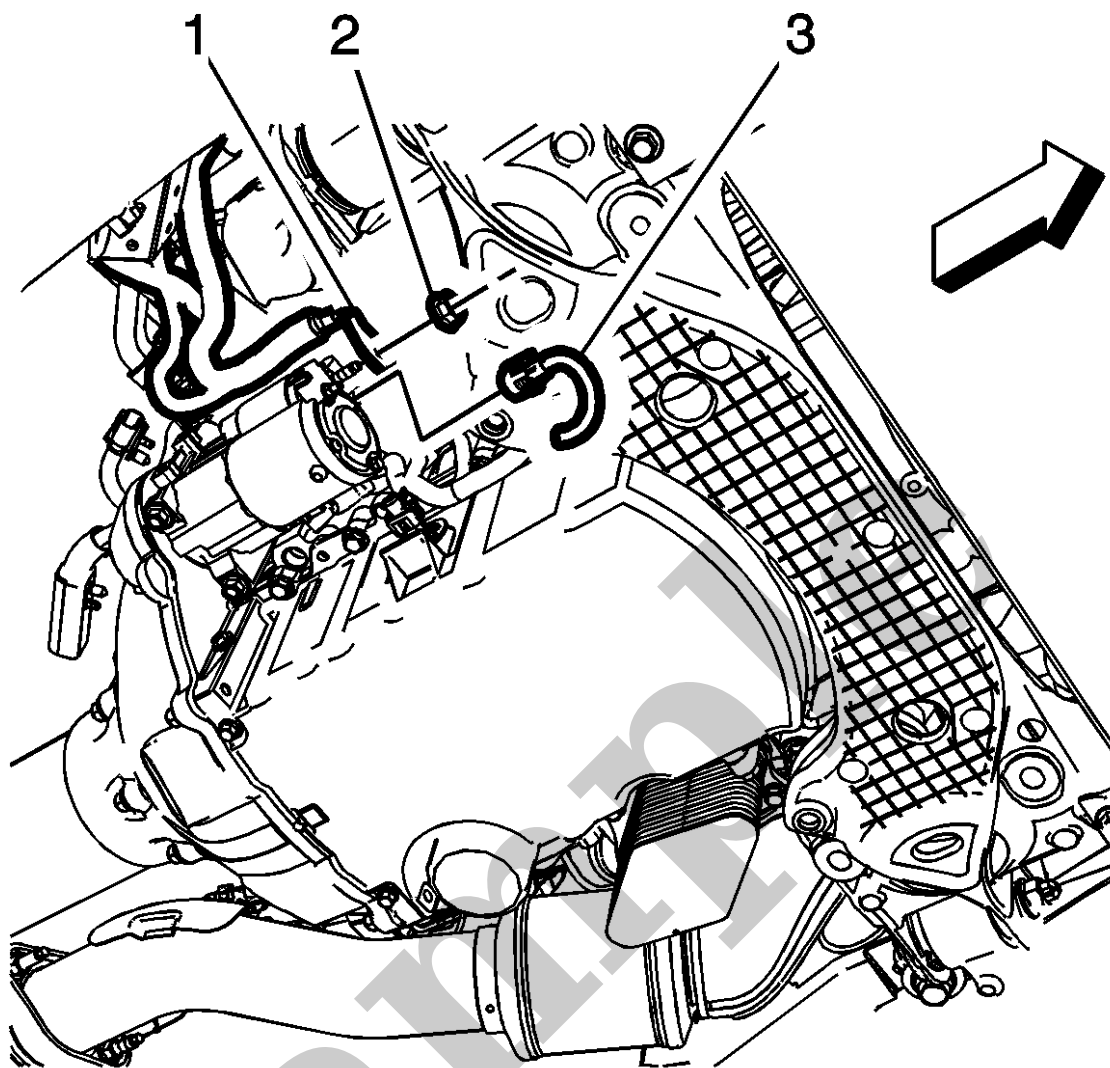
2002 CHEVROLET Aveo/Kalos 5 doors OEM Service and Repair Workshop Manual

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6.

Remove the starter heat shield fasteners (1) and remove the starter heat shield (2) from the starter.



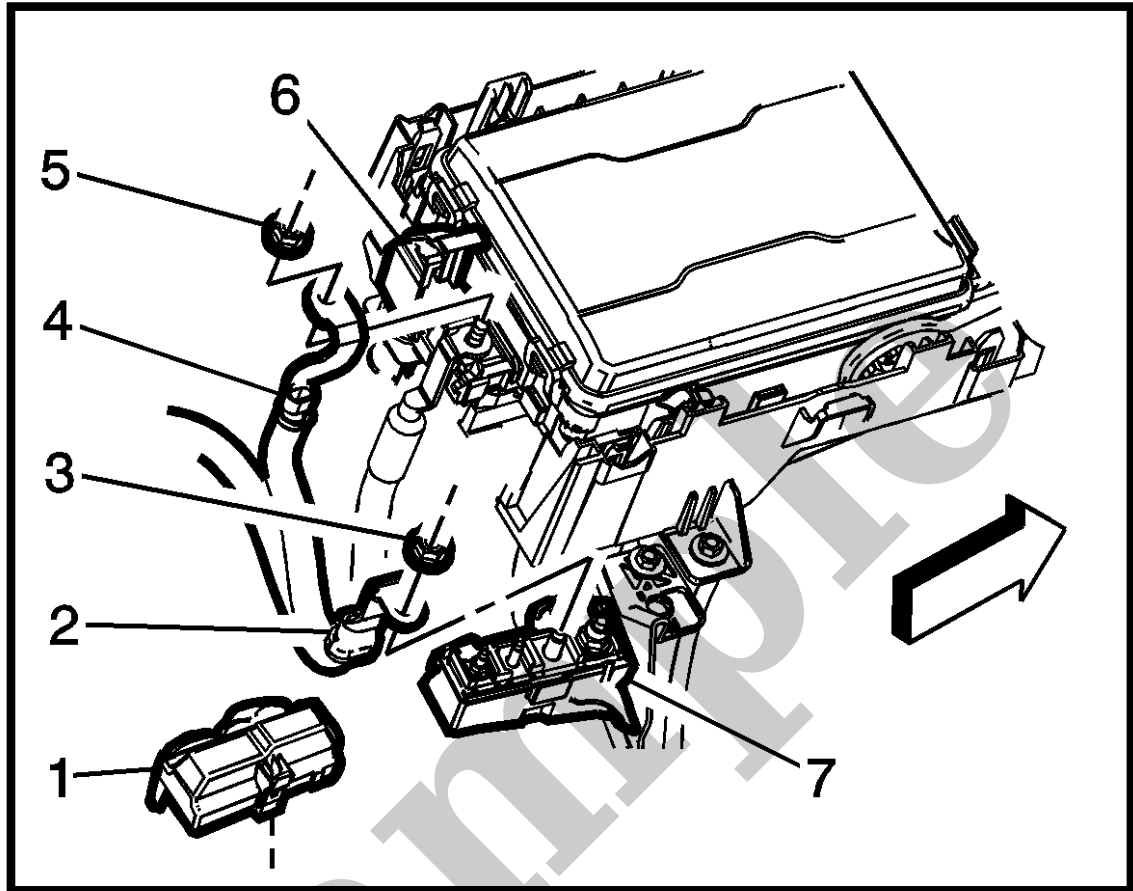
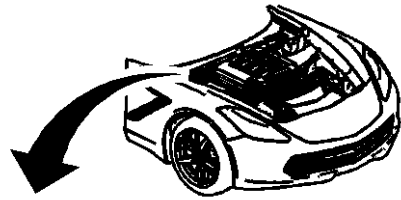
1.

CAUTION

Caution

Refer to [Fastener Caution](#).

Install the starter solenoid cable (1) to the starter stud and tighten the fastener (2) to **14 N·m (124 lb in)**.



4. Install the starter solenoid cable (4) to the underhood electrical center B + stud and tighten the fastener (5) to **22 N·m (16 lb ft)**.
5. Install the starter solenoid cable (2) to the pre-fuse junction block stud (7) and tighten the fastener (3) to **22 N·m (16 lb ft)**.
6. Close the underhood electrical center B + cover (6) and install the pre-fuse junction block cover (1).
7. Install the radiator surge tank. Refer to [Radiator Surge Tank Replacement](#).
8. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

The body control module (BCM) monitors the signal circuit of the cruise control switches, which are located on the steering wheel. The BCM relays the cruise control switch status to the engine control module (ECM) via the serial data circuit. The ECM uses the status of the cruise control switch to determine when to capture and maintain the vehicle speed. The ECM monitors the vehicle speed signal circuit in order to determine the desired vehicle speed.

Voltage is supplied to the cruise control switch via the steering wheel control switch reference voltage circuit supplied by the BCM. The cruise control function switches are arranged in a resistive ladder design, with each cruise control function switch having a different resistance value. The BCM detects a specific voltage value that is associated with the cruise control function switch being activated. The BCM sends a serial data message to the ECM indicating that the on/off switch is active. Similarly, when the normally open + RES switch or the normally open – SET switch are pressed, the switch closes and the BCM detects the predetermined voltage signal on the cruise control resume/accel and set/coast switch signal circuit. The BCM sends a serial data message to the ECM indicating that the + RES switch or the – SET switch is active.

Cruise Control Engaged

The Cruise Control System will engage and adjust vehicle speeds, based on the activation of the following cruise control switches, which are located on the steering wheel:

- On/Off
- + RES
- – SET

To engage the Cruise Control System, ensure that the vehicle speed is above 40.2 km/h (25 mph), turn the cruise On/Off switch ON and momentarily press the – SET switch. The ECM will engage the Cruise Control System and record the vehicle speed. The ECM sends a serial data message to the instrument panel cluster (IPC) in order to illuminate the Cruise Engaged indicator in the IPC. Refer to the vehicle owner's manual for the location and operation of the cruise control On/Off indicators and driver information center (DIC) messages.

Pressing the accelerator pedal while the Cruise Control System is engaged, allows the driver to override the Cruise Control System in order to accelerate the vehicle beyond the current set vehicle speed. When the accelerator pedal is released, the vehicle will decelerate and resume the current set vehicle speed.

The driver can also override the current set vehicle speed via the – SET switch and the + RES switch. When the Cruise Control System is engaged, pressing and holding the – SET switch will allow the vehicle to decelerate from the current set vehicle speed without deactivating the Cruise Control System. When the – SET switch is released, the ECM will record the vehicle speed and maintain the vehicle speed as the new set vehicle speed. When the Cruise Control System is engaged, momentarily pressing the – SET switch will allow the vehicle to decelerate at a vehicle specific calibratable increment, commonly 1 km/h or 1 mph, each time that the – SET is momentarily pressed, with a minimum vehicle speed of 38 km/h (24 mph). Refer to the vehicle Owner's Manual for more information.